



# BEA WebLogic Adapter for CORBA

## Release Notes

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### *BEA WebLogic Adapter for CORBA Release Notes*

| Part Number | Date       |
|-------------|------------|
| N/A         | April 2003 |

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# BEA WebLogic Adapter for CORBA Release Notes

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**BEA WebLogic Adapter for CORBA Release 7.0**  
**Date: April 2003**

This document includes the following topics:

- About the BEA WebLogic Adapter for CORBA Release
- What's New in this Release
- Supported Sub-Platforms
- Software Requirements
- Determining the Adapter Version
- Miscellaneous Issues
- Contacting BEA Customer Support

## About the BEA WebLogic Adapter for CORBA Release

The BEA WebLogic Adapter for Common Object Request Broker Architecture (CORBA) allows CORBA-based applications on WebLogic Server and WebLogic Integration to communicate with other applications integrated by the WebLogic Integration adapter suite. Access to CORBA environments is provided through the

Adapter, which uses CORBA Interface Definition Language (IDL) entries to generate local, remote-based services. Applications make calls to a remote service that, in turn, invokes a CORBA method and receives return information from the CORBA method.

A CORBA object provides distributed object capability between applications in a network. Although a CORBA object is implemented using a standard programming language, each CORBA object has a clearly defined interface, defined using the CORBA Interface Definition Language (IDL). The definition of a CORBA object is consistent with the definition presented by the Object Management Group (OMG). OMG has a number of specifications and documents that provide complete details on objects. For more information, visit the OMG web site, located at <http://www.omg.org>.

## What's New in this Release

This release offers support for metadata browsing based on the IDL stored in an ORB's Interface Repository, in addition to support for browsing off of the ORB's naming services. Previous version browsed only off of naming services.

## Supported Sub-Platforms

The BEA WebLogic Adapter for CORBA release consists of two components that are available on various sub-platforms. For the purpose of platform coverage the components are divided into:

- BEA WebLogic Adapter for CORBA
- BEA Application Explorer

## **BEA WebLogic Adapter for CORBA**

As of the release date, the BEA WebLogic Adapter for CORBA is available on the following sub-platforms:

- Sun Solaris 7 (with Sun recommended patches)
- Sun Solaris 8 (with Sun recommended patches)
- Microsoft Windows 2000 Professional with Service Pack 2
- Microsoft Windows 2000 Server with Service Pack 2
- Microsoft Windows 2000 Advanced Server with Service Pack 2
- Microsoft Windows NT 4.0 with Service Pack 6 or later

These sub-platforms are supported for the adapter with WebLogic Platform 7.0 only:

- Red Hat Linux 7.2
- RedHat Enterprise Linux AS 2.1
- Hewlett-Packard HP-UX 11.0
- Hewlett-Packard HP-UX 11i
- IBM AIX 5.1 with Maintenance Level 3

The following sub-platforms will be certified for this version of this utility when the underlying version of WebLogic Integration is certified on that platform:

- Hewlett-Packard HP-UX 11.0
- Hewlett-Packard HP-UX 11i
- IBM AIX 5.1

We are working to certify th is adapter on additional sub-platforms. Up-to-date information on supported sub-platforms is available at the following URL:

<http://edocs.bea.com/wladapters/docs703/support/index.html>

## BEA Application Explorer

As of the release date, the BEA Application Explorer is available on the following sub-platforms:

- Sun Solaris 7 (with Sun recommended patches)
- Sun Solaris 8 (with Sun recommended patches)
- Microsoft Windows 2000 Professional with Service Pack 2
- Microsoft Windows 2000 Server with Service Pack 2
- Microsoft Windows 2000 Advanced Server with Service Pack 2
- Microsoft Windows NT 4.0 with Service Pack 6 or later
- Hewlett-Packard HP-UX 11.0
- Hewlett-Packard HP-UX 11i

We are working to certify the BEA Application Explorer on additional platforms. Up-to-date information on supported platforms is available at the following URL:

<http://edocs.bea.com/wladders/docs703/support/index.html>

## Software Requirements

Before you install the BEA WebLogic Adapter for CORBA, ensure that you have the following software installed:

- BEA WebLogic Server and WebLogic Integration.

The software can be downloaded from the BEA Web site at

<http://commerce.bea.com/downloads/products.jsp>

As of the release date, the following versions are supported:

- WebLogic Platform 7.0 with Service Pack 2 (WebLogic Server and WebLogic Integration components must be installed)



The information required to install WebLogic Platform 7.0 can be found at <http://edocs.bea.com/platform/docs703/install/index.html>

- WebLogic Server 6.1 with Service Pack 2 and WebLogic Integration 2.1 with Service Pack 1

The information required to install WebLogic Server 6.1 can be found at <http://edocs.bea.com/wls/docs61/install/index.html>

The information required to install WebLogic Integration 2.1 can be found at [http://edocs.bea.com/wlintegration/v2\\_1sp/index.html](http://edocs.bea.com/wlintegration/v2_1sp/index.html)

**Caution:** You must apply patch CR095687 to your WebLogic Platform before installing this adapter. Contact BEA Customer Support for this required patch.

We are working to certify the adapter with additional versions. Up-to-date information on supported versions is available at the following URL:

<http://edocs.bea.com/wladders/docs703/support/index.html>

- Java Runtime environment 1.3.1 or higher
- Web browser
  - Netscape 6.2 or higher
  - Internet Explorer 5.x or higher
- One of the following CORBA products:
  - JacORB 1.4.1
  - Orbix 2000 1.2
  - VisiBroker for Java 4.5
- IIOP 1.1, 1.2
- GIOP 1.2

# Determining the Adapter Version

To allow you to easily determine the version of the BEA WebLogic Adapter for CORBA, identifying information has been added to the `Manifest.mf` file.

For example, the `Manifest.mf` file for BEA WebLogic Adapter for CORBA 7.0.3 contains the following:

```
Manifest-Version: 1.0
Created-By: Apache Ant 1.5
Label: BEARG3.0003
Implementation-Vendor: BEA Systems
Implementation-Version: 7.0.3.0003
Implementation-Title: BEA CORBA Adapter RG3 April 7 2003
```

The `Implementation-Version` is provided in the following format: `w.x.y.zzzz`:

- `w.x` represents the major and minor release number (in this case, 7.0)
- `y` represents the service pack number (in this case, 3)
- `zzzz` represents the build number of the release (in this case, 0003)

If you obtain a patch subsequent to a release, identifying information specific to the patch is included in the `Manifest.mf` file.

## Miscellaneous Issues

When using the BEA WebLogic Adapter for CORBA, you might encounter some of the following issues that can make the adapter or an adapter component inoperable. The following table describes these issues and provides a workaround, where possible.

If an entry includes a CR (Change Request) number, a possible solution may exist in a future BEA Application Explorer release where BEA will provide vendor-specific code to fix the problem. Refer to this number to conveniently track the solution as the problems are resolved”

**Table 1. Miscellaneous Issues**

| 1                 | Support for Visibroker 4.5.1  |
|-------------------|---|
| <b>Problem</b>    | VisiBroker's Interface Respository (IR) and the related Dymnic Interface Invocation (DII) methods on which the BEA WebLogic Adapter for CORBA is dependent are not compatible with JDK 1.3 and above.   |
| <b>Platform</b>   | VisiBroker 4.5.1 on all platforms   |
| <b>Workaround</b> | <p>A special version of the adapter's CORBA Agent has been compiled under JDK 1.2.2. These classes can be run under BEA WebLogic Server and WebLogic Integration by following these steps:</p> <p>Edit your classpath in your <i>SetDomainTypeData.cmd</i> file to include the special <i>vbj.zip</i> at the head of the path; that is,</p> <ul style="list-style-type: none"> <li>■ on Windows:           <pre>SET SVRCP=%SVRCP%;D:\Adapters\BEA_CORBA_1_0.jar SET SVRCP=D:\adapters\vbj.zip;%SVRCP%;D:\apps\vbroker\lib\vbjorb.jar</pre> </li> <li>■ on Unix:           <pre>\$SVRCP=\$SVRCP:/opt/bea/adapters/BEA_CORBA_1_0.jar \$SVRCP=\$SVRCP:/opt/bea/adapters/vbj.zip:\$SVRCP:/opt/vbroker/lib/vbjorb.jar</pre> </li> </ul> <p><b>Note:</b> Here, <i>DomainType</i> is the type of the domain. For example, if your domain is configured to support the development of solutions that employ the full range of WebLogic Integration functionality, it contains the <i>SetWliDomainData.cmd</i> file.</p> |
| 2                 | Interface Repository IOR File   |
| <b>Problem</b>    | The BEA WebLogic Adapter for CORBA requires that an IOR file be available to locate the reference to the Interface Repository. VisiBroker's IOR file is not automatically output to file.   |

**Table 1. Miscellaneous Issues (Continued)**

|                   |   |
|-------------------|---|
| <b>Platform</b>   | All platforms   |
| <b>Workaround</b> | <p>Modify your IR startup procedure to automatically output the startup IOR reference to a file. For example, use the following command to automatically output the IOR reference to a file: <code>ir.ior</code>:</p> <pre>irep myIr &gt;ir.ior</pre>   |
| <b>3</b>          | <b>VisiBroker Naming Context</b>  |
| <b>Problem</b>    | Supplying a naming context for your application to use a named Naming Service   |
| <b>Platform</b>   | VisiBroker 4.5.1 on All platforms   |
| <b>Workaround</b> | <p>Use the <code>-DSVCnameroot</code> option to specify which VisiBroker Naming Service instance (especially important if several unrelated naming service instances are running) you want to bootstrap; that is, edit your <code>startWebLogic.cmd</code> file to include the <code>-DSVCnameroot=myNamespace</code> option on the line invoking <code>java</code>.</p> <p>For example, on Windows:</p> <pre>%JAVA_HOME%\bin\java %DB_JVMARGS% -Xmx256m -DSVCnameroot=myNameSpace -classpath %SVRCP% -Dbea.home=%BEA_HOME% -Dweblogic.home=%WL_HOME% -Dweblogic.system.home=%WLI_HOME% -Dwli.bpm.server.evaluator.supportsNull=false -Dweblogic.Domain=eaidomain -Dweblogic.management.password=security -Dweblogic.Name=myserver -Dweblogic.RootDirectory=%WLI_HOME% -Djava.security.policy=%WL_HOME%\lib\weblogic. policy -Dweblogic.management.discover=false weblogic.Server</pre> |

**Table 1. Miscellaneous Issues (Continued)**

| 4                 | Namespace Prefix in manifest.xml   |
|-------------------|--|
| <b>Problem</b>    | <p>Each schema repository has a manifest that describes the repository and its schemas. This repository manifest is stored as an XML file named <code>manifest.xml</code>.</p> <p>If you manually create an XML schema, the namespace prefix must be <code>xsd:</code> rather than <code>xs:</code> in the manifest file.</p>  |
| <b>Platform</b>   | All  |
| <b>Workaround</b> | <p>Use the <code>xsd:</code> namespace prefix for XML schemas as shown in the following listing:</p> <pre data-bbox="544 605 1185 922">&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"&gt;   &lt;xsd:element name="OrderIn"&gt;     &lt;xsd:complexType&gt;       &lt;xsd:sequence&gt;         &lt;xsd:element ref="Store_Code"/&gt;         &lt;xsd:element ref="LineItem" maxOccurs="unbounded"/&gt;       &lt;/xsd:sequence&gt;     &lt;/xsd:complexType&gt;   &lt;/xsd:element&gt; &lt;/xsd:schema&gt;</pre> |

## Contacting BEA Customer Support

If you have any questions about this version of the BEA WebLogic Adapter for CORBA, or if you have problems installing and running the BEA WebLogic Adapter for CORBA, contact BEA Customer Support through BEA WebSupport at [www.beasys.com](http://www.beasys.com). You can also contact Customer Support by using the contact information provided on the Customer Support Card, which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number

- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages